

**In the Abstract**

(Currently Amended) A rod lens (3) with one or more optically active surfaces and one or more inactive surfaces, in which one part of the optically inactive surface (7, 8) or surfaces, especially a lens facet and/or radial peripheral surface (7) of a lens (3), is smooth, and a method for smoothing one part of one or more optically inactive surfaces (7, 8) of a lens (3), especially of a lens facet and/or radial peripheral surface (7) of a lens (3). As a result, the occurrence of fissures in the lens (3) is prevented or reduced.